



# California Public Safety Broadband Statewide Planning – The Year in Review

California First Responder Network Board of Directors Meeting  
December 17, 2014

This document was prepared by SAIC under contract with Cal OES using funds under award 06-10-S13006 from the National Telecommunications and Information Administration (NTIA), U.S. Department of Commerce (DOC). The statements, findings, conclusions, and recommendations are those of the author(s) and do not necessarily reflect the views of the NTIA, DOC, or FirstNet.

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- **The Year in Review**
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# The Year in Review

Progress, Challenges, and Accomplishments

# **Year in Review:**

## **Engaging California's First Responders**

- **Five town hall meetings – The last town hall, held in Sacramento with a focus on 9-1-1, was by far the most heavily attended (190 in-person and via WebEx)**
- **Broadband Prep Workshops – Sacramento and Diamond Bar**
- **Presenting and providing information at association, consortia, and council meetings, including**
  - **San Bernardino County Operational Area Coordinating Council**
  - **Northern California APCO Conference**
  - **APCO Emerging Technologies Forum**
  - **California Communications Association Annual Conference**
- **California Broadband Planning Survey**
- **CalFRN Board Meetings – Today's meeting is the 6<sup>th</sup> held this year**



## **Year in Review:**

### **A Year of Collaboration and Partnering**

- **Established working relationships with CalFRN Board and local public safety stakeholders**
- **Supported LA-RICS as FirstNet Early Builder**
- **Collaborated with CPUC and Dept. of Technology, working to improve Broadband capabilities in non-served and underserved communities**
- **Partnered with WestNet by participating in bi-weekly conference calls to gather and share information on Outreach and State Consultation Plans**
- **Invited SPOCs from other states to present at town halls and CalFRN Board Meetings**
- **Participated in other states' FirstNet Consultation meetings**
- **Established and worked with CalFRN Advisory Committees to provide comments to the FirstNet RFI, Public Notice definitions, and Initial State Consultation Plan**
- **Worked with regional public safety stakeholders to conduct town halls**



# Year in Review:

## Documents delivered during the year

- California Public Safety Broadband Education and Outreach Plan
- California First Responder Stakeholder Outreach List
- CalFRN Board Bylaws
- FirstNet in California Survey
- FirstNet in California presentations
- FirstNet Process Roadmap
- FirstNet by the Numbers infographic, versions 1 and 2
- RFI and Interpretations of Parts of the Act response
- Initial Consultation Checklist Response

### WHO WILL USE FIRSTNET

**5.4 Million**

Potential FirstNet public safety users nationwide

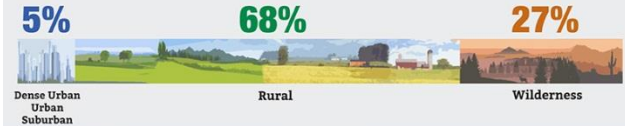


FirstNet must provide service in all **50** US states, **5** territories, and Washington, DC.

**3,800,000**  
Square Miles  
**60,000**  
Public Safety Agencies  
**3,250**  
Counties  
**566**  
Tribes

### THE COVERAGE CHALLENGE

FirstNet coverage challenge: geography is divided into 5 categories. Dense urban, urban and suburban are where most people live, but make up only 5% of the US land mass.



### IN CALIFORNIA

**GOVERNANCE** The California First Responders Network (CalFRN) board oversees FirstNet activities. CalFRN's 12 members represent public safety at state, local, and tribal levels.

California first responders must protect the world's **8th** largest economy. At **\$2.2T**, it is larger than Russia's.

California has over **200,000** potential FirstNet public safety users



California's border with Mexico is **137** linear miles.



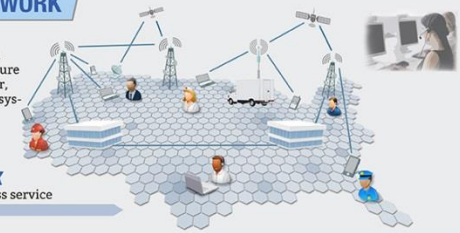
FirstNet has **20%** more rural area to cover in California.

**163,696**  
Square Miles  
**2,136**  
Public Safety Agencies  
**58**  
Counties  
**109**  
Tribes  
**11**  
Ports

### FIRSTNET NETWORK

To meet this challenge, FirstNet is considering a 3-in-1 network architecture using land-based cellular, satellite and deployable systems to provide coverage.

**4G LTE** is **10x** faster than 3G wireless service



**2014-2016**  
Roadmap

Outreach and awareness  
Collect local data and design network  
Develop and award supplier RFP  
Establish network core

### THE ROAD TO FIRSTNET



### HOW MUCH WILL IT COST?

**2016+**

Governor reviews design offer and opts in or out of

# FirstNet Update

# FirstNet Funding

With FCC's Advanced Wireless Services (AWS)-3 spectrum auction bidding passing \$40B, FirstNet will receive full funding



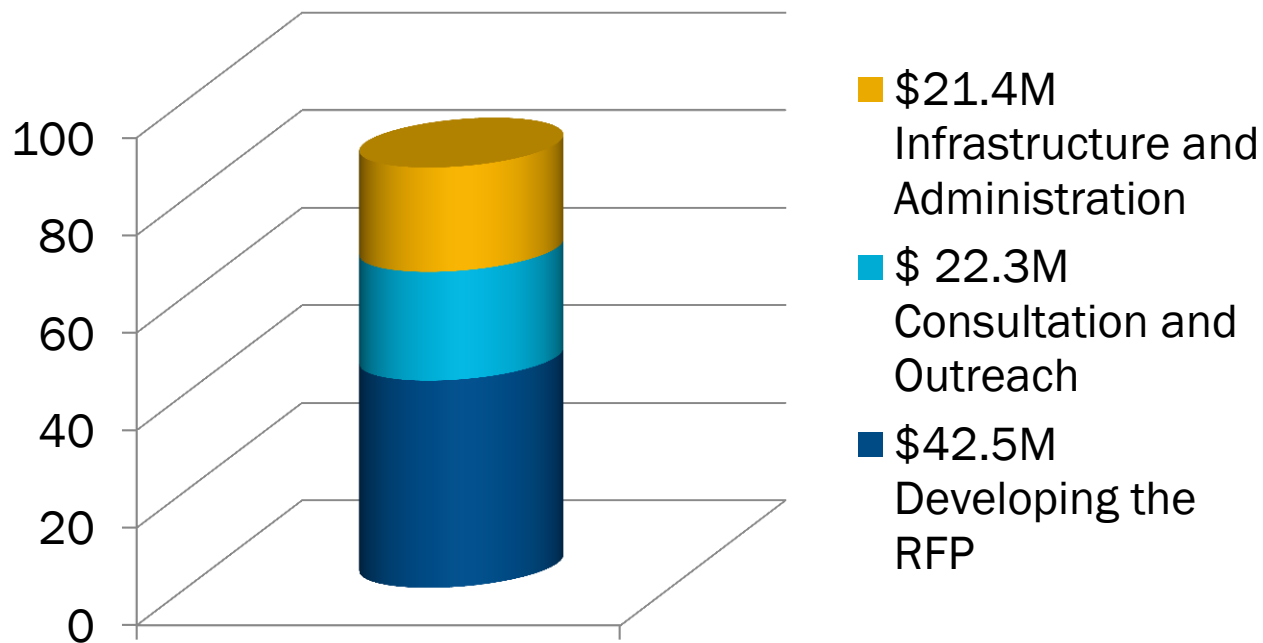
**\$7Billion**



# FirstNet 2015 Budget

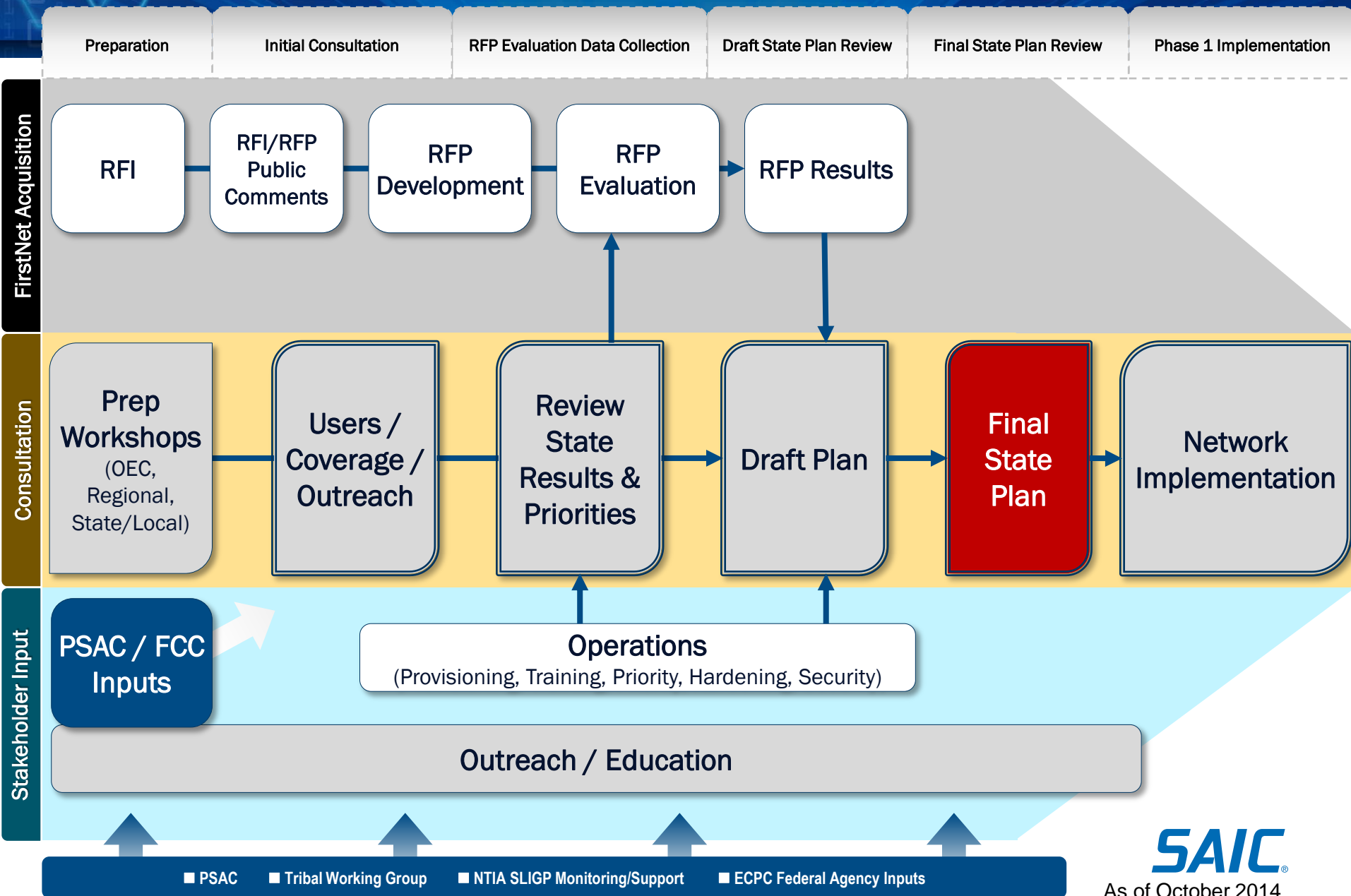
The 2015 budget reflects FirstNet's two primary focus areas:

- Developing the Comprehensive Network RFP
- Conducting State Consultations and Outreach



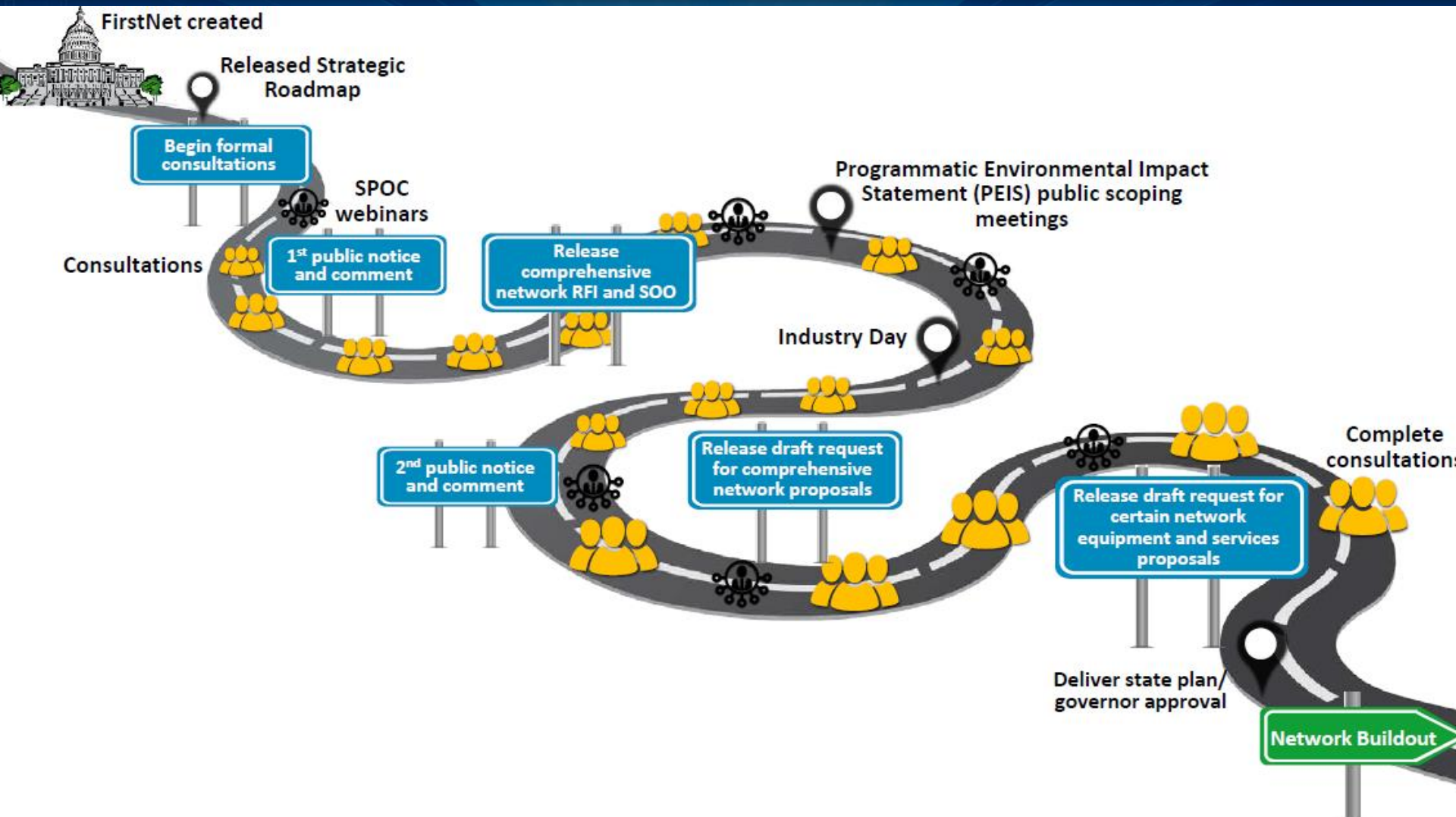
The \$86.2M budget is 28% less than the \$120M authorized by the Board

# Updated Consultation and State Plan Process



# Current FirstNet Roadmap Snapshot

As of FirstNet Board meeting, 12/10/14



© First Responder Network Authority

# Looking Ahead



## **Looking Ahead:**

### **Upcoming Milestones for FirstNet in California**

- **Humboldt Town Hall on January 28<sup>th</sup>**
- **Tribal consultation meetings**
- **Public safety conference presentations**
- **Mapping 12 months of 9-1-1 Calls by location (26 Million calls)**
- **California Initial Consultation meetings with FirstNet tentatively scheduled for April**
- **Publish FirstNet in California Process Roadmap**



# Thank You

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Courtesy of FirstNet